

REGENERON

ISEF

A PROGRAM OF _____
SOCIETY FOR SCIENCE & THE PUBLIC

VIRTUAL | 2020

PROGRAM SCHEDULE
VIRTUAL REGENERON ISEF 2020

[CLICK HERE TO REGISTER](#)

Title Sponsor:

REGENERON

With Major Support From:



With Additional Support From:

Arconic Foundation

Craig and Barbara Barrett Foundation

The Richard F. Caris Foundation

Covington Capital Management

Gilead Sciences

Susie and Gideon Yu Foundation

Carl Zeiss, Inc.

Feng Zhang Fund for STEM Outreach and Equity

DAILY SCHEDULE

Exact times and ordering of the sessions are still being planned; the estimated start and end times are listed per day. Please check back for updates leading up to May 18, 2020.

MONDAY, MAY 18, 2020

11:00 a.m.–5:00 p.m. EDT

Opening Ceremony

- Welcome Remarks by **Maya Ajmera**, President and CEO, Society for Science & the Public and Publisher, *Science News*
- Interview of **George Yancopoulos**, Regeneron Co-Founder, President and Chief Scientific Officer by Joe Palca, National Public Radio (NPR) Science Correspondent
- “Around the World” Dance Video of Regeneron ISEF 2020 Finalists

Excellence in Science & Technology Panel

- Moderated by **Joe Palca**, National Public Radio (NPR) Science Correspondent
- **Panelists:**
 - **Elizabeth Blackburn**, Professor Emerita, UCSF; Nobel Prize in Physiology or Medicine, 2009
 - **Martin Chalfie**, Professor, Biological Sciences, Columbia University; Nobel Prize in Chemistry, 2008
 - **Elissa Hallem**, Associate Professor, MIMG Department, University of California, Los Angeles; MacArthur Fellow, 2012
 - **Cato Laurencin**, University Professor, The University of Connecticut; National Medal of Technology and Innovation in Medicine, 2014
 - **W.E. Moerner**, Harry S. Mosher Professor and Professor by Courtesy of Applied Physics at Stanford University; Nobel Prize in Chemistry, 2014

Women in STEM Panel

- Moderated by **Mary Sue Coleman**, President, Association of American Universities
- **Panelists:**
 - **Frances Arnold**, Linus Pauling Professor, California Institute of Technology; Nobel Prize in Chemistry, 2018
 - **Dianne Newman**, Binder/Amgen Professor of Biology and Geobiology, California Institute of Technology; MacArthur Fellow, 2016
 - **Monika Schleiler-Smith**, Associate Professor of Physics, Stanford University, Hellman Fellow, 2015

The Future of Bioscience

- **Tina Hesman Saey**, Molecular Biology Senior Writer, *Science News*
- **Interview with:**
 - **Leroy “Lee” Hood**, Senior Vice President and Chief Science Officer, Providence St. Joseph Health, Chief Strategy Officer, Co-founder and Professor, ISB
 - **Huda Zoghbi**, Professor, Baylor College of Medicine, Howard Hughes Medical Institute

DAILY SCHEDULE

Lessons in Leadership During Times of Uncertainty

- An interview with **Craig Barrett**, Retired CEO/Chair, Intel Corporation and **Maya Ajmera**, President and CEO, Society for Science & the Public and Publisher, *Science News*

TUESDAY, MAY 19, 2020 | COVID-19 SERIES

10:00 a.m.–4:00 p.m. EDT

Fighting COVID-19 with Science

- A Panel of Regeneron scientists discusses their work on COVID-19. The Panel will be moderated by **Nancy Shute**, Editor in Chief, *Science News*.
- **Panelists:**
 - **Christos Kyratsous**, Ph.D., Vice President of Research, Infectious Diseases and Viral Vector Technologies
 - **Leah Lipsich**, VP Strategic Program Director, Global Development
 - **Serge Monpoeho**, Senior Director, Quality Control and Chief Virologist

The Role of CRISPR and COVID-19

- An interview of **Feng Zhang**, Investigator, HHMI, Core Institute Member, Broad Institute, James and Patricia Poitras Professor in Neuroscience at McGovern Institute for Brain Research, MIT, by **Tina Hesman Saey**, Molecular Biology Senior Writer, *Science News*

Technology and Its Role During the Pandemic

- **Kumar Garg**, Senior Director and Head of Partnerships with Schmidt Futures
- **Interview with:**
 - **Catherine Havasi**, Researcher and Entrepreneur in Artificial Intelligence (AI)
 - **Galen Hunt**, Distinguished Engineer & Managing Director, Microsoft Azure Sphere
 - **Tom Leighton**, Co-Founder and CEO, Akamai Technologies
 - **Henry Samuelli**, Co-Founder and Chairman, Broadcom, Inc.
 - **Divya Nag**, Apple Health

How the Science of Social Distancing Began with a Science Fair Project

- **Michele Glidden**, Chief Program Officer, Society for Science & the Public interviews **Lara Glass**, Student Program Fellow, The Memorial Church, Harvard University, First-Year Proctor, Harvard College, ISEF '06

Road to the Vaccine

- A Panel of Johnson & Johnson scientists participate in a Q&A about their latest efforts toward developing a vaccine. The Panel will be moderated by **Seema Kumar**, Vice President, Innovation, Global Health and Science Policy Communication, Johnson & Johnson
 - **Rinke Bos**, Principal Vaccine Scientist, Johnson & Johnson
 - **Margaret Hamburg**, Foreign Secretary of the National Academy of Medicine

DAILY SCHEDULE

WEDNESDAY, MAY 20, 2020 | ENTREPRENEURSHIP SERIES

1:00 p.m.–8:00 p.m. EDT

Technology Is a Force for Good

- **Katy Knight**, Executive Director and **David M. Siegel** of the Siegel Family Endowment discuss how their foundation supports organizations working at the intersections of learning, workforce, and infrastructure

From Education to Exploration: Careers that Change the World

- A Panel of National Geographic Explorers discusses how their passion for science has led them to careers in environmental science. The Panel will be led by **Andrew Brennen**, a National Geographic Education Fellow.
 - **Asha De Vos**, world-renowned pioneer of blue whale research
 - **Vanessa Bezy**, marine biologist who's mission is to protect sea turtles

Internet Evangelism—A One-on-One Interview with Vint Cerf

- An interview of **Vint Cerf**, Google Vice President and Chief Internet Evangelist, by **Adam Bly**, Founder & CEO of System; Former VP Data at Spotify

Innovation and Entrepreneurship Panel

- Moderated by **Maya Ajmera**, President and CEO, Society for Science & the Public and Publisher, *Science News*
- **Panelists:**
 - **Paige Brown**, Co-founder & CEO, WindBorne Systems
 - **David Holz**, Co-founder & CTO, Leap Motion
 - **Ramji Srinivasan**, Former Co-founder & CEO, Counsyl

The Great Physics Questions that Remain Unanswered

- An interview of **Brian Greene**, Professor of Physics and Mathematics, Columbia University, by **Emily Conover**, Physics Writer, *Science News*

Making Smart Bets on Entrepreneurs

- Moderated by **Anna-Katrina Shedletsky**, Founder and CEO, Instrumental; Angel Investor
- **Hayley Bay Barna**, Partner, First Round Capital
- **Sheel Tyle**, Founder & CEO, Amplo
- **Gideon Yu**, Co-Owner and Former President, San Francisco 49ers and Former CFO, Facebook and YouTube

DAILY SCHEDULE

College Admissions

- Moderated by **Allie Stifel**, Director of Regeneron Science Talent Search, Society for Science & the Public
- **Panelists:**
 - **Chris Peterson**, Senior Assistant Director of Admissions, Massachusetts Institute of Technology
 - **Brenna Heintz**, Senior Assistant Dean of Admissions, Swarthmore College
 - **Ingrid Schvarczopf**, Associate Director, Engineering Student Recruitment & Retention Office, University of Toronto
 - **Taylor Pondy**, Admissions Officer, University of California San Diego

THURSDAY, MAY 21, 2020 | SCIENCE EDUCATION SERIES — DAY 1 1:00 p.m.–8:00 p.m. EDT

Fundraising for Science Fair & Research Programs

- Moderated by **Caitlin Sullivan**, Director of Outreach & Equity, Society for Science & the Public
 - **Bruce Makous**, Chief Advancement Officer, Society for Science & the Public
 - **Liz Baker-Bowman**, Southern Arizona Science & Engineering Fair (SARSEF)
 - **Freda Vine**, Ed W. Clark High School, Las Vegas, Nevada

International Rules and Guidelines for Student Research 2021

- **Michele Glidden**, Chief Program Officer, Society for Science & the Public, discusses international rules and guidelines for student research with **Members of the ISEF Scientific Review Committee**.

Research at Home: Life Sciences Edition

- Moderated by **Anna Rhymes**, *Science News* in High Schools Program Manager, Society for Science & the Public
 - **Bill Wallace**, Ph.D., Georgetown Day School, Washington, DC
 - **Tina Gibson**, Ph.D., The Mississippi School for Math and Science, Columbus, MS

Behind the Curtain of Uncertainty: A Statistics Crash Course

- Moderated by **Caitlin Sullivan**, Director of Equity & Outreach, Society for Science & the Public
 - **Paul Strode**, Ph.D., Fairview High School, Boulder, CO

Research at Home: Big Data and Engineering Edition

- Moderated by **Anna Rhymes**, *Science News* in High Schools Program Manager, Society for Science & the Public
 - **David V. Black**, New Haven School, Spanish Fork, UT
 - **Vincent Joralemon**, Frank McCourt High School, New York, NY
 - Special Guest: **Michael Carapezza**, Program Coordinator, Hk Maker Lab & NY Bioforce

DAILY SCHEDULE

Protecting Your Intellectual Property: Patents, Trademarks, Copyrights and Trade Secrets

- Moderated by **Caitlin Sullivan**, Director of Equity & Outreach, Society for Science & the Public
 - **Jorge Valdes**, Ph.D., Education Program Advisor, United States Patent & Trademark Office
 - **Juan Valentin**, Education Program Advisor, United States Patent & Trademark Office

Inspiring Changemakers: A Model for Young Leaders to Protect our Planet

- Moderated by **Alison Szopinski**, Senior Director of Youth Initiatives, National Geographic Society
 - **Kavita Gupta**, National Geographic Educator of the Year and Teacher Fellow
 - **Charu Gulati**, National Geographic Certified Educator and Mentor

FRIDAY, MAY 22, 2020 | SCIENCE EDUCATION SERIES—DAY 2

10:00 a.m.–3:00 p.m. EDT

Communicating Your Science and Doing It Well

- **Bethany Brookshire**, Ph.D., *Science News for Students*
- **Sarah Zielinski**, Managing Editor, *Science News for Students*

Ayoyando Estudiantes en Investigaciones de STEM: Una Discusión con Maestras con Experiencia

- Moderated by **Milena Acosta**, Community Engagement Manager, Natural History Museum of Los Angeles County
 - **Luz S. Carillo**, MD, Northwest Early College High School, El Paso, TX
 - **Celia Castellanos**, Foshay Learning Center, Los Angeles, CA
 - **Yajaira Torres-De Jesus**, Ph.D., Colegio Rosa-Bell, Guaynabo, Puerto Rico

Supporting Rural and Native Students in Research

- Moderated by **Caitlin Sullivan**, Director of Equity & Outreach, Society for Science & the Public
 - **Cheyenne Branscum**, Oklahoma Geo Team Coach, Shawnee, OK
 - **Debbie Morgan**, South Sevier High, Monroe, UT

Supporting Underrepresented Students in STEM Research

- Moderated by **Caitlin Sullivan**, Director of Equity & Outreach, Society for Science & the Public
 - **Priscilla Lumbrellas**, Granbury High School, Granbury, TX
 - **Keri Meador**, Central High School, Louisville, KY

Teaching Research for Students

- Moderated by **Anna Rhymes**, *Science News* in High Schools Program Manager, Society for Science & the Public
 - **Jennifer C. Claudio**, Oak Grove High School, San Jose, CA
 - **Amy Hammett**, Maize High School, Maize, KS
 - **Katy Gazda**, Red Mountain High School, Mesa, AZ

The Regeneron International Science and Engineering Fair encourages students to tackle challenging scientific questions and develop the skills needed to solve the problems of tomorrow.

SOCIETY FOR SCIENCE & THE PUBLIC

The Society for Science & the Public is a champion for science, dedicated to expanding scientific literacy, effective STEM education and scientific research. Founded in 1921, we are a nonprofit 501(c)(3) membership organization focused on promoting the understanding and appreciation of science and the vital role it plays in human advancement. Through its acclaimed science research competitions, including the Regeneron Science Talent Search, the Regeneron International Science and Engineering Fair and the Broadcom MASTERS, and its award-winning magazine, *Science News* and digital media properties, *Science News for Students*, the Society is committed to inform, educate and inspire.

LEARN MORE AT

www.societyforscience.org

AND FOLLOW US ON

Facebook

<https://www.facebook.com/societyforscience>

Twitter

[@Society4Science](https://twitter.com/Society4Science)

Instagram

[@Society4Science](https://www.instagram.com/Society4Science)

Snapchat

[Society4Science](https://www.snapchat.com/add/Society4Science)



SOCIETY FOR SCIENCE & THE PUBLIC

1719 N Street, NW | Washington, DC 20036-2801 | 202.785.2255

societyforscience.org/ISEF2020